

Abstract

A piezoelectric ceramic comprising a perovskite composite oxide of an ABO_3 composition containing Pb in the A-site and Zr and Ti in the B-site, wherein when the total amount of the element species constituting the B-site of the perovskite composite oxide in the ceramic is set to be one mol, an average valency of the element species constituting the B-site is in a range of from 4.002 to 4.009. The piezoelectric ceramic can be fired at a low temperature, has a high Curie temperature and a high piezoelectric distortion constant, as well as excellent durability and reliability against high temperatures.

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